

123-03_US_second_replacement_sequence.txt
SEQUENCE LISTING

<110> Hexima Limited
Poon, Simon
Heath, Robyn L.
Clarke, Adrienne E.

<120> Arabinogalactan Protein Compositions and Methods for Fostering
Somatic Embryonic Competence

<130> 12639240/AJH

<140> 10/594,418
<141> 2005-03-31

<150> 60/558,609
<151> 2004-03-01

<160> 27

<170> PatentIn version 3.4

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caaaactcaaa acaaccccaa aacc 24

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tcttctgaat cagattctct caacaaatgg gctgaaaaag ctcgtttcca aatcgcgac 180

tctctcgtgt ggaatatga tgggtgtaaa gactcggtgc tccaagttag taaggaggat 240

tatacaagtt gcaatcgtc gaacccgatt gccgagtaca aagatgggaa caccaagggtg 300

aagcttgaaa agtcaggacc atatttcttc atgagtggag caaagggcca ctgcgagcaa 360

ggccagaaga tgattgtggt tgtgatgtct caaaagcata ggtacattgg aatctctcca 420

gcaccttcgc cggttgattt tgaaggtccg gccgttgctc caacaagcgg agttgcaggg 480

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<213> Gossypium sp.

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20 25 30

Lys Thr Gly Ala Trp Lys Ile Pro Ser Ser Glu Ser Asp Ser Leu Asn
35 40 45

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Lys Trp Ala Glu Lys Ala Arg Phe Gln Ile Gly Asp Ser Leu Val Trp
50 55 60

Lys Tyr Asp Gly Gly Lys Asp Ser Val Leu Gln Val Ser Lys Glu Asp
65 70 75 80

Tyr Thr Ser Cys Asn Thr Ser Asn Pro Ile Ala Glu Tyr Lys Asp Gly
85 90 95

Asn Thr Lys Val Lys Leu Glu Lys Ser Gly Pro Tyr Phe Phe Met Ser
100 105 110

Gly Ala Lys Gly His Cys Glu Gln Gly Gln Lys Met Ile Val Val Val
115 120 125

Met Ser Gln Lys His Arg Tyr Ile Gly Ile Ser Pro Ala Pro Ser Pro
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Val Asp Phe Glu Gly Pro Ala Val Ala Pro Thr Ser Gly Val Ala Gly
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165 170 175

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gagaactaca atcattgggc tgaaaggaat agattccaag tcaatgatac tctctttttc 180
aagtacaaga aagggtcaga ctcggtgctg ttggtaacaa gagaagatta cttctcatgc 240
aacaccaaga acccaattca gtctttaaca gaaggtgatt cactctttac atttgatcgg 300
tcgggtccct tctttttcat caccggtaac gctgataatt gcaaaaaagg gcaaaagctg 360
atcgctgtgg tcattgctgt aagacacaaa cccagcaac aacctccttc acctctccc 420
tcattctgctg tgacaacagc gccggtttct cccaccatc taccattcc tgaaactaac 480
cctcctgtag agtcacaaa gacagtgtag gctccatctc atgatgctgt ggaaccagct 540
ccgccggagc acagatcggg ttcatcaaaa ctagtatgtt ctacctggct ggtgttgggt 600
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Asp Gly Trp Val Val Ser Pro Ser Glu Asn Tyr Asn His Trp Ala Glu
35 40 45
Arg Asn Arg Phe Gln Val Asn Asp Thr Leu Phe Phe Lys Tyr Lys Lys
50 55 60
Gly Ser Asp Ser Val Leu Leu Val Thr Arg Glu Asp Tyr Phe Ser Cys
65 70 75 80
Asn Thr Lys Asn Pro Ile Gln Ser Leu Thr Glu Gly Asp Ser Leu Phe
85 90 95
Thr Phe Asp Arg Ser Gly Pro Phe Phe Phe Ile Thr Gly Asn Ala Asp
100 105 110
Asn Cys Lys Lys Gly Gln Lys Leu Ile Val Val Val Met Ala Val Arg
115 120 125
His Lys Pro Gln Gln Gln Pro Pro Ser Pro Ser Pro Ser Ser Ala Val
130 135 140
Thr Thr Ala Pro Val Ser Pro Pro Thr Leu Pro Ile Pro Glu Thr Asn
145 150 155 160
Pro Pro Val Glu Ser Pro Lys Ser Ser Glu Ala Pro Ser His Asp Ala
165 170 175
Val Glu Pro Ala Pro Pro Glu His Arg Ser Gly Ser Phe Lys Leu Val
180 185 190
Cys Ser Thr Trp Leu Val Leu Gly Phe Gly Ile Trp Val Ser Met Ala
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Tyr Lys Lys Ala Gly Ser Ala Ala Ala Pro Phe Thr Leu Val Pro Arg
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Gly Ser Lys Glu Ile Met Val Gly Gly Lys Thr Gly Ala Trp Lys Ile
 35 40 45

Pro Ser Ser Glu Ser Asp Ser Leu Asn Lys Trp Ala Glu Lys Ala Arg
 50 55 60

Phe Gln Ile Gly Asp Ser Leu Val Trp Lys Tyr Asp Gly Gly Lys Asp
 65 70 75 80

Ser Val Leu Gln Val Ser Lys Glu Asp Tyr Thr Ser Cys Asn Thr Ser
 85 90 95

Asn Pro Ile Ala Glu Tyr Lys Asp Gly Asn Thr Lys Val Lys Leu Glu
 100 105 110

Lys Ser Gly Pro Tyr Phe Phe Met Ser Gly Ala Lys Gly His Cys Glu
 115 120 125

Gln Gly Arg Lys Met Ile Val Val Val Met Ser Gln Lys His Arg Tyr
 130 135 140

Ile Gly Ile
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Gly Ser Tyr Lys Phe Tyr Val Gly Gly Arg Asp Gly Trp Val Val Ser
 35 40 45

Pro Ser Glu Asn Tyr Asn His Trp Ala Glu Arg Asn Arg Phe Gln Val
 50 55 60

Asn Asp Thr Leu Phe Phe Lys Tyr Lys Lys Gly Ser Asp Ser Val Leu
 65 70 75 80

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Leu Val Thr Arg Glu Asp Tyr Phe Ser Cys Asn Thr Lys Asn Pro Ile
85 90 95

Gln Ser Leu Thr Glu Gly Asp Ser Leu Phe Thr Phe Asp Arg Ser Gly
100 105 110

Pro Phe Phe Phe Ile Thr Gly Asn Ala Asp Asn Cys Lys Lys Gly Gln
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Lys Leu Ile Val Val Val Met Ala Val Arg His Lys Pro Gln Gln Gln
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